AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions and listings of claims in the application:

1. **(Currently Amended)**   A computer program product located to one or more storage media devices usable to perform integration of mixed format data, said computer program product comprising instructions executable by a computer to perform the functions of:

      accessing a database of structured and unstructured customer data;

      reading an access reference, the access reference having unstructured data including free text;

      identifying text records within the free text;

      linguistically parsing the identified text records <u>to generate a linguistic parse that includes at least syntactic roles in the identified text records, the syntactic roles including grammatical information</u>;

      identifying thematic roles and relationships within the parsed text records <u>based in part on the identified syntactic roles, wherein the identification of thematic roles and relationships maps the syntactic roles including the grammatical information into a smaller set of semantically-focused components</u>;

      applying caseframes to the linguistic parse and thematic <u>roles to produce</u> ~~identifications producing~~ attribute extractions, each of said attribute extractions containing attribute information of the ~~derived source~~ <u>free</u> text;

      integrating the extractions with the structured data, said integrating producing integrated data; and

      data mining the integrated data.

2. **(Currently Amended)**   A computer program product according to claim 1, wherein said accessing a <u>database of structured and unstructured customer data further comprises accessing</u> ~~source of unstructured data accesses~~ unstructured data contained within the database of structured data.

3.   **(Currently Amended)**   A computer program product according to claim 1, wherein said accessing a <u>database of structured and unstructured customer data further comprises</u> ~~source of unstructured data and said~~ accessing ~~a database of structured data access~~ two separate data sources.

4.   **(Currently Amended)**   A computer program product according to claim 1, wherein said instructions are further executable to perform the function of applying caseframes while performing said <u>linguistically parsing the identified text records</u> ~~interpreting the free text~~.

5.   **(Original)**   A computer program product according to claim 1, wherein said instructions are further executable to perform the function of producing a new database containing the integrated data produced by said integrating.

6.   **(Previously Presented)**   A computer program product according to claim 1, wherein said instructions are further executable to perform the function of inserting the produced data into the database of structured data while performing said integrating of the produced data.

7.   **(Original)**   A computer program product according to claim 1, wherein said instructions are further executable to perform the function of creating a new database while performing said integrating the produced data.

8.   **(Original)**   A computer program product according to claim 7, wherein the instructions are further executable to produce a new relational database containing the integrated data produced by said integrating.

9.   **(Original)**   A computer program product according to claim 7, wherein the instructions are further executable to produce a file containing the integrated data produced by said integrating.

10.   **(Original)**   A computer program product according to claim 9, wherein the instructions are further executable to produce a file having a format selected from the group of XML, character separated values, spreadsheet formats and file-based database structures.

11.   **(Original)**   A computer system including a computer program product according to claim 1, further comprising:
a processing unit coupled to said one or more storage media devices, said processing unit being capable of executing said instructions; and
an execution command unit, whereby operation of said instructions and said processing unit may be commanded or controlled.

12.   **(Original)**   A computer program product according to claim 1, wherein said instructions are further executable to produce an integrated database while performing said integrating the produced data.

13.   **(Original)**   A computer program product according to claim 1, wherein the integrated data produced by the performance of said integrating the produced data includes reference information to the original free text for construed data.

14.   **(Currently Amended)**   A computer program product located to one or more storage media devices usable to perform integration of mixed format data, said computer program product comprising instructions executable by a computer to perform the functions of:

accessing a database of structured and unstructured customer data;

reading an access reference from said database, the access reference having unstructured data including free text;

identifying text records within the free text;

linguistically parsing the identified text records to generate a linguistic parse that includes at least syntactic roles including one or more of subject, direct object, indirect object, objects of prepositions, or any combination thereof;

identifying thematic roles and relationships within the parsed text records, wherein the thematic roles identify a relationship between an action in the text records and one or more of an actor, an object, a recipient, an experiencer, an instrument, a location, a time, or any combination thereof;

applying caseframes to the linguistic parse and thematic roles and relationships to produce identifications producing attribute extractions, each of said attribute extractions containing attribute information of the derived source free text;

integrating the extractions with the structured data, said integrating step producing integrated data;

providing the integrated data to a data mining application.

15.   **(Currently Amended)**   A computer program product according to claim 14, wherein said accessing a database of structured and unstructured customer data further comprises accessing source of unstructured data accesses unstructured data contained within the database of structured data.

16.   **(Currently Amended)**   A computer program product according to claim 14, wherein said accessing a database of structured and unstructured customer

data further comprises ~~source of unstructured data and said~~ accessing ~~a database of structured data access~~ two separate data sources.

17.   **(Currently Amended)**   A computer program product according to claim 14, wherein said instructions are further executable to perform the function of applying caseframes while performing said <u>linguistically parsing the identified text records.</u> ~~interpreting the free text~~.

18.   **(Original)**   A computer program product according to claim 14, wherein said instructions are further executable to perform the function of producing a new database containing the integrated data produced by said integrating.

19.   **(Previously Presented)**   A computer program product according to claim 15, wherein said instructions are further executable to perform the function of inserting the produced data into the database of structured data while performing said integrating of the produced data.

20.   **(Original)**   A computer program product according to claim 14, wherein said instructions are further executable to perform the function of creating a new database while performing said integrating the produced data.

21.   **(Original)**   A computer program product according to claim 20, wherein the instructions are further executable to produce a new relational database containing the integrated data produced by said integrating.

22.   **(Original)**   A computer program product according to claim 20, wherein the instructions are further executable to produce a file containing the integrated data produced by said integrating.

23.   **(Original)**   A computer program product according to claim 22, wherein the instructions are further executable to produce a file having a format selected from the group of XML, character separated values, spreadsheet formats and file-based database structures.

24.   **(Original)**   A computer system including a computer program product according to claim 14, further comprising:

a processing unit coupled to said one or more storage media devices, said processing unit being capable of executing said instructions; and

an execution command unit, whereby operation of said instructions and said processing unit may be commanded or controlled.

25.   **(Original)**   A computer program product according to claim 14, wherein said instructions are further executable to store an integrated database while performing said integrating the produced data.

26.   **(Original)**   A computer program product according to claim 14, wherein the integrated data produced by the performance of said integrating the produced data includes reference information to the original free text for construed data.

27.   **(Currently Amended)**   A method for integrating mixed format data, comprising the steps of:

accessing a database of structured and unstructured data, the unstructured data including free text;

linguistically parsing at least some of the free text <u>to identify syntactic roles in the free text</u>;

identifying thematic roles and relationships within the parsed free text<u>, the thematic roles and relationships establishing a relationship between a portion of the free text and at least one action included in the free text</u>;

applying caseframes to the linguistic parse and thematic identifications producing attribute extractions, each of said attribute extractions containing attribute information of the ~~derived source~~ <u>free</u> text;

integrating the extractions with the structured data to produce integrated data; and

data mining the integrated data.

28.   **(Original)**   A method according to claim 27, wherein said accessing a <u>database of structured and unstructured customer data further comprises accessing</u> ~~source of unstructured data accesses~~ unstructured data contained within the database of structured data.

29.   **(Original)**   A method according to claim 27, wherein said accessing a <u>database of structured and unstructured customer data further comprises</u> ~~source of unstructured data and said~~ accessing ~~a database of structured data access~~ two separate data sources.

30.   **(Currently Amended)**   A method according to claim 27, wherein said performing said ~~interpreting~~ <u>linguistically parsing at least some of</u> the free text <u>comprises applying</u> ~~applies~~ caseframes.

31.   **(Original)**   A method according to claim 27, further comprising the step of producing a new database containing the integrated data produced by said integrating.

32.   **(Original)**   A method according to claim 27, further comprising the step of inserting the produced data into the database of structured data.

33.   **(Original)**   A method according to claim 27, further comprising the step of creating a new database.

34.   **(Original)**   A method according to claim 33, wherein the new database is a relational database.

35.   **(Original)**   A method according to claim 33, wherein new database includes at least one file containing the integrated data produced by said integrating.

36.   **(Original)**   A method according to claim 35, wherein the new database has a format selected from the group
 of XML, character separated values, spreadsheet formats and file-based database structures.

37.   **(Original)**   A method according to claim 27, wherein said step of integrating the produced data produces an integrated database.

38.   **(Original)**   A method according to claim 27, wherein the integrated data produced by the performance of said integrating the produced data includes reference information to the original free text for construed data.